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SEQUENCE LISTING

<110> The Scripps Research Institute
Sutcliffe, et al.

<120> Hypothalamus-Specific Polypeptides

<130> TSRI-548.1 Div. 1

<140> 09/735,138

<141> 2000-12-12

<150> 60/023,220

<151> 1996-08-02

<150> PCT/US97/13657

<151> 1997-08-01

<150> 09/230,896

<151> 1999-02-02

<160> 29

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<213> ratus ratus

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Gln Pro Leu Pro Asp Cys Cys Arg Gln Lys Thr Cys Ser Cys Arg Leu
35 40 45
Tyr Glu Leu Leu His Gly Ala Gly Asn His Ala Ala Gly Ile Leu Thr
50 55 60
Leu Gly Lys Arg Arg Pro Gly Pro Pro Gly Leu Gln Gly Arg Leu Gln
65 70 75 80
Arg Leu Leu Gln Ala Asn Gly Asn His Ala Ala Gly Ile Leu Thr Met
85 90 95
Gly Arg Arg Ala Gly Ala Glu Leu Glu Pro His Pro Cys Ser Gly Arg
100 105 110
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Gly Val
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tggtcgccgc tgtccgactg caaccgccac cgctttagcg ccccgggggc gatccagagt 480
ctgaaccogt cttctatccc tgtcctagtc ctaactttcc cctctcctcg ccagtcoccta 540
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actgttgcac ggagctggca accacgctgc gggatcctg actctgggaa agcggcgggc 300
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ttgaacccat cttctatcct tgtcctgac caaacttccc cctctgctcg ccgctgtcag 540
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actccgcagg attagccacc ccaacattgt ggctctggag gacgtccacg agagcccttc 300
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 <213> ratus ratus

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Cys Ser Cys Arg Leu Tyr Glu Leu Leu His Gly Ala Gly Asn His Ala
      20             25             30
Ala Gly Ile Leu Thr Leu Gly Lys Arg Arg Pro Gly Pro Pro Gly Leu
      35             40             45
Gln Gly Arg Leu Gln Arg Leu Leu Gln Ala Asn Gly Asn His Ala Ala
      50             55             60

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Gly Ile Leu Thr Met Gly Arg Arg Ala Gly Ala Glu Leu Glu Pro Tyr
65 70 75 80
Pro Cys Pro Gly Arg Arg Cys Pro Thr Ala Thr Ala Thr Ala Leu Ala
85 90 95
Pro Arg Gly Gly Ser Arg Val
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<210> 7
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<212> PRT
<213> ratus ratus

<400> 7
Leu Gly Val Asp Ala Gln Pro Leu Pro Asp Cys Cys Arg Gln Lys Thr
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Cys Ser Cys Arg Leu Tyr Glu Leu Leu His Gly Ala Gly Asn His Ala
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Ala Gly Ile Leu Thr Leu Gly
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<210> 8
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<213> ratus ratus

<400> 8
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Cys Ser Cys Arg Leu Tyr Glu Leu Leu His Gly Ala Gly Asn His Ala
20 25 30
Ala Gly Ile Leu Thr Leu
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<210> 9
<211> 28
<212> PRT
<213> ratus ratus

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Pro Gly Pro Pro Gly Leu Gln Gly Arg Leu Gln Arg Leu Leu Gln Ala
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Asn Gly Asn His Ala Ala Gly Ile Leu Thr Met Gly
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<210> 10
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<210> 11

<211> 20

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<213> ratus ratus

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Arg Leu Tyr Glu Leu Leu His Gly Ala Gly Asn His Ala Ala Gly Ile
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Leu Thr Leu Gly
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Arg Leu Gln Arg Leu Leu Gln Ala Asn Gly Asn His Ala Ala Gly Ile
1 5 10 15
Leu Thr Met Gly
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Gly Asn His Ala Ala Gly Ile Leu Thr
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<210> 14

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cagaagacgt gttcctgccc tctctacgaa ctgttgacag gagctggcaa ccacgcgcgc 180
ggcctcctca ctctgggaaa ggggcgacct ggacccccag gcctccaagg acggctgcag 240
cgctccttc aggccaacgg taaccacgca gctggcatcc tgaccatggg ccgccgcgca 300
ggcgcagagc tagagccata tccctgcctt ggtcgccgct gtccgactgc aaccgccacc 360

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cagaagacgt gttcctgccg tctctacgaa ctgttgcaag gagctggcaa ccacgctgcg 180
ggtatcctga ctctgggaaa gcggcggcct ggacctccag gcctccaggg acggctgcag 240
cgctccttc aggccaaagg taaccacgca gctggcatcc tgaccatggg ccgccgcgca 300
ggcgcagagc tagagccaca tccctgctct ggtcgcggct gtccgaccgt aactatcacc 360
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<213> Artificial Sequence

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<223> tag sequence

<400> 16

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<210> 17

<211> 17

<212> DNA

<213> mus musculus

<400> 17

taagacgacg gcctcag

17

<210> 18

<211> 18

<212> DNA

<213> mus musculus

<400> 18

cacaccaaca gagaaacg

18

<210> 19

<211> 18

<212> DNA

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<220>

<223> tag sequence

<400> 19

aactggaaga attcgagg

18

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<400> 20
Arg Leu Leu Leu Gly Asn His Ala Ala Gly Ile Leu Thr Gly
1 5 10

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His Ser Asp Gly Thr Phe Thr Ser Lys Leu Ser Arg Leu Arg Asp Ser
1 5 10 15
Ala Arg Leu Gln Arg Leu Leu Gln Gly Leu Val His Ser Asp Gly Thr
20 25 30
Phe Thr Ser Lys
35

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<210> 23
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ggggcgct 68

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actgaattct cagactctgg atccgccccg

30

<210> 26

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<212> DNA

<213> mus musculus

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<212> DNA

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gcaacagttc gtagagacgg

20

<210> 28

<211> 17

<212> PRT

<213> ratus ratus

<400> 28

Cys Pro Thr Ala Thr Ala Thr Ala Cys Ala Pro Arg Gly Gly Ser Arg

1

5

10

15

Val

<210> 29

<211> 358

<212> PRT

<213> ratus ratus

<400> 29

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1

5

10

15

Ile Arg Glu Lys Leu Gly Ser Gly Ala Phe Ser Glu Val Met Leu Ala

20

25

30

Gln Glu Arg Gly Ser Ala His Leu Val Ala Leu Lys Cys Ile Pro Lys

35

40

45

Lys Ala Leu Arg Gly Lys Glu Ala Leu Val Glu Asn Glu Ile Ala Val

50

55

60

Leu Arg Arg Ile Ser His Pro Asn Ile Val Ala Leu Glu Asp Val His

65

70

75

80

Glu Ser Pro Ser His Leu Tyr Leu Ala Met Glu Leu Val Thr Gly Gly

85

90

95

Glu Leu Phe Asp Arg Ile Met Glu Arg Gly Ser Tyr Thr Glu Lys Asp

100

105

110

Ala Ser His Leu Val Gly Gln Val Leu Gly Ala Val Ser Tyr Leu His
115 120 125
Ser Leu Gly Ile Val His Arg Asp Leu Lys Pro Glu Asn Leu Leu Tyr
130 135 140
Ala Thr Pro Phe Glu Asp Ser Lys Ile Met Val Ser Asp Phe Gly Leu
145 150 155 160
Ser Lys Ile Gln Ala Gly Asn Met Leu Gly Thr Ala Cys Gly Thr Pro
165 170 175
Gly Tyr Val Ala Pro Glu Leu Leu Glu Gln Lys Pro Tyr Gly Lys Ala
180 185 190
Val Asp Val Trp Ala Leu Gly Val Ile Ser Tyr Ile Leu Leu Cys Gly
195 200 205
Tyr Pro Pro Phe Tyr Asp Glu Ser Asp Pro Glu Leu Phe Ser Gln Ile
210 215 220
Leu Arg Ala Ser Tyr Glu Phe Asp Ser Pro Phe Trp Asp Asp Ile Ser
225 230 235 240
Glu Ser Ala Lys Asp Phe Ile Arg His Leu Leu Glu Arg Asp Pro Gln
245 250 255
Lys Arg Phe Thr Cys Gln Gln Ala Leu Gln His Leu Trp Ile Ser Gly
260 265 270
Asp Ala Ala Leu Asp Arg Asp Ile Leu Gly Ser Val Ser Glu Gln Ile
275 280 285
Gln Lys Asn Phe Ala Arg Thr His Trp Lys Arg Ala Phe Asn Ala Thr
290 295 300
Ser Phe Leu Arg His Ile Arg Lys Leu Gly Gln Ser Pro Glu Gly Glu
305 310 315 320
Glu Ala Ser Arg Gln Gly Met Thr Arg His Ser His Pro Gly Leu Gly
325 330 335
Thr Ser Gln Ser Pro Lys Trp Val Thr Thr Arg Trp Met Pro Arg Lys
340 345 350
Ala Lys Trp Thr Asp Ser
355